

## ACKNOWLEDGMENTS

This dissertation is the result of a great deal of work on the part of many people over several years. I am grateful for financial support from Oregon Department of Agriculture's Plant Conservation Biology Program; Oregon State University; Institute for Applied Ecology; the Bureau of Land Management Eugene, Medford, Prineville, Salem, and Vale Districts; and the U.S. Forest Service Mt. Hood, Rogue River, Umpqua, and Willamette National Forests; the U.S. Fish and Wildlife Service, Portland Field Office; and the U.S. Geological Survey, Forest and Rangeland Ecosystem Science Center, Corvallis, Oregon. The Native Plant Society of Oregon helped finance conservation biology interns that assisted with data collection for all of the species studied in this project, and I thank NPSO and a long list of interns that have helped over the years, including (in chronological order) Tom Brophy, Mary Garrard, Eric Peterson, Ed Hoover, Margaret Evans, Steve Gisler, Lupin Loel, Melissa Peterson, Jill Van Winkle, Armand Rebischke, Shannon Datwyler, Kelly Cahill, April Cameron, Robin Russell, Jenny Tilson, Sue Kolar, Sarah Brown, Annie Turner, Sahni Burkhardt, Carla Cole, Shannon Clery, Jeff Stephens, Madi Novak, Lisa Karst, Mitchell McGlaughlin, Cormac Collier, Diana Fodor, Seth Bond, Lauren Mathewson, and David Matlaga. I thank Bob Meinke and Chuck Craig for their support over the years and for the opportunity to work for the state of Oregon's Plant Conservation Biology Program since its creation in the late 1980s. Many people with the ODA program also helped with data collection and entry, including Sarah Brady, Sarah Brown, Shannon Clery, Jack Greenlee, Melissa Kirkland, Keli Kuykendall, Susan Massey, Wes Messinger, Kendra Mingo, Angie Ruzicka, and Annie Turner. I would especially like to thank ODA staff Matt Carlson,

Steve Gisler, and Kelly Amsberry for their help and friendship. The following individuals, through their positions with federal agencies, were instrumental in making my research possible: Cindy Barkhurst, Kat Beal, Paula Brooks, Clair Button, Cindy Cripps, Jenny Dimling, Aaron Drew, Jean Findley, Nancy Fredricks, Ron Halvorson, Richard Helliwell, Claire Hibler, Jerry Hustafa, Jim Irving, Dean Longrie, Cheshire Mayrsohn, Linda Mazzu, Cheryl McCaffrey, Maura Naughton, Kathy Pendergrass, Bruce Rittenhouse, Andy Robinson, Larry Schofield, Joan Seevers, Alice Smith, Bryce Smith, Marty Stein, Molly Sullivan, Julie Thiel, Brad Tong, Carl Urban, Molly Widmer, and Nancy Wogen. Staff of the Oregon Natural Heritage Program, including Jimmy Kagan and Sue Vrilakas, provided valuable assistance and information on the location of rare plant populations. I would also like to thank these colleagues in the Department of Botany and Plant Pathology at Oregon State University for their years of teaching, friendship, and fruitful discussions: Johanna Brunet, Henny Chambers, Ken Chambers, Deborah Clark, Stella Coakley, Cheryl Ingersoll, Richard Halse, LaRea Johnston, Aaron Liston, Dianne Simpson, Mark Wilson, and Don Zobel. Scott Sundberg, who works longer hours than most lawyers, endured sharing an office with me for the last several years. I am eternally grateful to Manuela Huso for her patience and help with statistics. Kathy Pendergrass, Karen Finley, and Boone Kauffman are co-authors on the fire ecology chapter, and I thank them sincerely for their work. I look forward to continuing working relationships with Keith Karoly (Reed College), Ed Guerrant (Berry Botanic Garden), Susan Kephart (Willamette University), and Dave Craig (Willamette University). I have been very fortunate to have had the opportunity to learn from and discuss my dissertation work with Russ Lande (University of Oregon), Eric Menges

(Archbold Research Station), Doug Schemske (University of Washington) and Scott Ferson (Applied Biomathematics), and I want to express particular gratitude to Hal Caswell (Woods Hole Oceanographic Institute) for giving me the chance to look over his shoulder into the nitty-gritty of matrix modeling and for reviewing portions of this dissertation. Many thanks to my committee members, Dave Pyke, Pat Muir, Mike Blouin, Steve Radosевич, and Ralph Berry, for taking the time to help me and guide my studies. Finally, I thank my mother and father, my wife, Keli Kuykendall, and our daughter, Lila.